

## SYSTEM # 10

### PRODUCT #

INGROUND MOUNT: 49442  
SURFACE MOUNT: 49441

PLAY EVENTS: 16  
CHILD CAPACITY: 58  
MAX FALL HEIGHT: 72" (1,82m)  
MIN USE ZONE: 34'5" X 38'3" (10,49m x 11,66m)

### MATERIAL SPECIFICATIONS

**48" x 48" DECKS & ADA TRANSFER STATION:** All welded construction. Both platforms and gussets are made from 12 GA (.1046) thick A1011 HRPO steel that is PVC coated. Platforms connect to posts using a direct bolt fastening system with two attachment points per corner. Platform fasteners attach to threaded inserts which are factory installed to the posts.

**POSTS:** Posts are constructed using a 3.50" OD x 11 GA (.120) wall, galvanized, A500 cold rolled steel tube with a yield test of at least 50 ksi and a tensile strength of at least 55 ksi. The caps on capped posts are made from 10 GA (.1345) steel and are welded to the end of the posts. The entire assembly is powder coated.

**COLLARS:** Pipe rails connect with 2-piece collar assembly made from die cast aluminum. Each collar connects with tamperproof stainless steel hardware with attachment holes every 30 degrees. Collars shall encapsulate the component to disperse surge loads throughout the collar assembly. All collars are powder coated.

**HARDWARE:** Hardware is stainless steel or corrosion-resistant coated steel that conforms to ANSI/ASCE-8-90 (stainless steel), and has passed 100 hour salt test. Most hardware is Torx tamper resistant.

**PIPE RAILS:** Pipe rails are constructed using a 1.25" OD X 12 GA (.1046) wall, galvanized, A513 hot rolled steel tubes that are powder coated. All pipe rails connect to the posts with collars and to the deck with tamperproof stainless steel hardware.

**STEEL TRI ROOF:** The steel tri roofs are constructed out of 11 GA (.120) thick A1011 HRPO steel skin, 0.25" thick A1011 HRPO steel gussets, 3.50" OD x 11 GA (.120) wall, galvanized, A500 cold rolled steel tube, and 3" HR steel tube. The above components are powder coated. Attached to the skin using tamperproof hardware is an 11 GA A1011 HRPO PVC coated trim plate.

**SLIDES:** Made using 1st quality linear low density Polyethylene (LDPE) that is rotational molded with 0.375" wall thickness and anti-static inhibitors.

**HALF LOOP CLIMBER:** The climber is constructed using 2.375" OD x 12 GA (.120) wall, galvanized, A500 cold rolled steel tube with a yield test of at least 50 ksi and a tensile strength of at least 55 ksi for the main support and 1.25" OD X 12 GA (.1046) wall, galvanized, A513 hot rolled steel tube for the rungs. The mounting plates are constructed from A1011 hot rolled steel with a thickness ranging from 12 GA (.105) to 0.25" (.250). The entire assembly is powder coated.

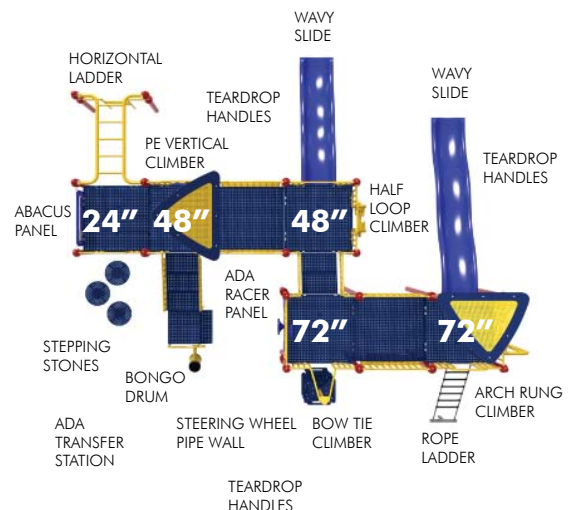
**ARCH RUNG CLIMBER:** The climber is constructed using 2.375" OD x 12 GA (.120) wall, galvanized, A500 cold rolled steel tube with a yield test of at least 50 ksi and a tensile strength of at least 55 ksi for the main support and 1.25" OD X 12 GA (.1046) wall, galvanized, A513 hot rolled steel tube for the rungs. The mounting plates are constructed from A1011 hot rolled steel with a thickness ranging from 12 GA (.105) to 0.25" (.250). The entire assembly is powder coated.

**STEPPING STONES:** The pods are made from 12 GA (.1046) thick HRPO A1011 hot rolled steel and PVC coated. The stationary legs are made using a 3.50" OD x 11 GA (.120) wall, galvanized, A500 cold rolled steel with a yield test of at least 50 ksi and a tensile strength of at least 55 ksi and are coated in PVC.

### VIEW OF SYSTEM



### TOPVIEW



## MATERIAL SPECIFICATIONS (continued)

**ROPE LADDER:** The ropes are tested by TÜV and are approved for outdoor recreation building according to the standards of EN1176. The rope is made of six-strand galvanized steel wire 0.8mm covered with Polypropylene multi-filament. The core (fiber core) is made of Polypropylene. Color is UV protected. No toxic material or color is used in production. Rope Dimension: 16mm, weight 270g/m. Break load 41,0kN. The mounting plates are constructed from A1011 hot rolled steel with a thickness ranging from 12 GA (.105) to 0.25" (.250).

**BOW TIE CLIMBER:** The Bow Tie Climber is made from ø1.90" X 14 GA (.083) wall, galvanized A500 cold rolled steel. Weld to this tube is 0.25" A1011 HRPO steel stepping plates. Handles are also welded to the main tube and are constructed out of 1.25" OD X 12 GA (.1046) wall, galvanized, A513 hot rolled steel tube. The mounting plates and gussets are constructed from A1011 hot rolled steel with a thickness ranging from 12 GA (.105) to 0.25" (.250). This part of the assembly is powder coated. Attach to the stepping plates are 14GA A1011 HRPO steel wear plates which are coated in PVC.

**HORIZONTAL LADDER:** The main beams are made using 2.375" OD x 12 GA (.120) wall, galvanized, A500 cold rolled steel tube with a yield test of at least 50 ksi and a tensile strength of at least 55 ksi. Welded to the main support are 1.25" OD X 12 GA (.1046) wall, galvanized, A513 hot rolled steel tube for the rungs. The mounting plates are constructed from A1011 hot rolled steel with a thickness ranging from 12 GA (.105) to 0.25" (.250). The entire assembly is powder coated.

**STEERING WHEEL PIPE WALL:** The steering wheel is made of polyethylene resin with UV protection added to provide long color retention. Pipe rails are constructed using a 1.25" OD X 12 GA (.1046) wall, galvanized, A513 hot rolled steel tube that is powder coated. All pipe rails connect to the posts with collars and to the deck with tamperproof stainless steel hardware.

**ABACUS PANEL:** HDPE Panels are made using 0.75" high density polyethylene sheeting (HDPE), textured, matte finish, UV stabilized, UL 94 HB fire rating, stain and graffiti resistant and will not delaminate, splinter or crack. The discs are made from 0.75" UV Stabilized PE. The rods are made from 0.50" diameter stainless steel. The mounting plates are constructed from A1011 hot rolled steel with a thickness ranging from 12 GA (.105) to 0.25" (.250).

**PE VERTICAL CLIMBER:** HDPE Panels are made using 0.75" high density polyethylene sheeting (HDPE) textured, matte finish, UV stabilized, UL 94 HB fire rating, stain and graffiti resistant and will not delaminate, splinter or crack. Rock handholds are made from molded polyurethane.

**ADA RACER PANEL:** HDPE Panels are made using 0.75" high density polyethylene sheeting (HDPE), textured, matte finish, UV stabilized, UL 94 HB fire rating, stain and graffiti resistant and will not delaminate, splinter or crack. The Steering Wheel is made of polyethylene resin with UV protection added to provide long color retention. The mounting plates are constructed from A1011 hot rolled steel with a thickness ranging from 12 GA (.105) to 0.25" (.250).

**TEARDROP HANDLES:** Tear drop handles are made from polymer with UV inhibitors and a shore hardness of 75-90A with a minimum ultimate tensile strength of 4100 PSI and a minimum elongation of 425%.

**BONGO DRUM:** The Bongo skin is made from fade resistant, UV stabilized PVC. The steel drum is 8" diameter x 12 GA A500 steel and powder coated.

**PVC (POLY-VINYL CHLORIDE) COATING\*:** Equipment shall have coating thickness of .085-.150" with texturing applied to handholds/footpads. The PVC physical properties shall have no less than:  
 Tensile strength of no less than 1500 psi per ASTM 412.  
 Hardness of 70 +/- 5 (Durometer, Shore A) per ASTM 2240.  
 PVC formulated to withstand the requirements of outdoor UV exposure.

The material will meet or exceed the requirements of the Federal Safety Standard MVSS 302 and UL 94 HB requirements.

**IMPORTANT NOTE:** PVC shall comply with the Consumer Product Safety Improvement act of 2008 by having a concentration that does not exceed 0.1% of the following phthalates; DINP, DIDP, DnOP, DEHP, or BBP. This formulation is also free of heavy metals such as Lead and Cadmium.

**XCCENT'S SUPER DURABLE TWO-PART POWDER COATING PROCESS\*:** Primer Application: A minimum of 3 mil's of Xccent's proprietary marine grade primer is applied to ensure superior protection against corrosion caused by the most extreme environments. Super Durable Powder Coating (Top Coat Color): Xccent uses a Super Durable polyester/TGIC powder coating with superior color-, gloss-, and UV-stabilizing qualities ideal for exterior applications (min coating of 2.5-3.5 mils). The total coverage shall be 5 – 7 mils minimum.

\*Contact Xccent Play! for a detailed copy of our Powder Coat and PVC specifications.